ABSTRACT

Data communication systems, methods, and devices for transmitting multimedia data content to wireless devices and, more particularly, methods, systems, and devices to deliver, store, and playback multimedia content on a handheld wireless device. The data communication system includes a content server and proxy server that store and mark multimedia data content as single-use or multi-use data. The marked data is transmitted to a wireless held device where the data is stored and provided with an indicator based on whether it is single-use or multiuse data, and then is routed to a media player for play back. After playback, the data is either deleted or stored, depending on the indicator attached thereto. The data may also be marked as restricted data and stored on a restricted access area. A block retransmission program is also provided to restore data transmission from the proxy server in the event transmission is prematurely lost. The data communication systems, methods, and devices according to the present invention provide a more efficient and better quality of service in the delivery, storage, and playback of multimedia data in a mobile device platform.